SERVICE MANUAL

XBU75
XBR95

XE700

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XE700

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Troubleshooting Guide

ELECTRONIC SYSTEM

No power
There is no power to the console.

1. If machine is being used without a power cord, the power switch must be turned to “Generator”. If a power cord is being used, the switch must be turned to “AC input”. If the switch is not in the correct postion the console will not light up.
2. Remove the console and test the wire harness with a volt meter for DC voltage. (procedure 1)
3. Make sure all wires are plugged into the controller securely.

No resistance

1. Remove side covers to access the controller.
2. Check for DC voltage where main harness plugs into controller. (procedure 2)

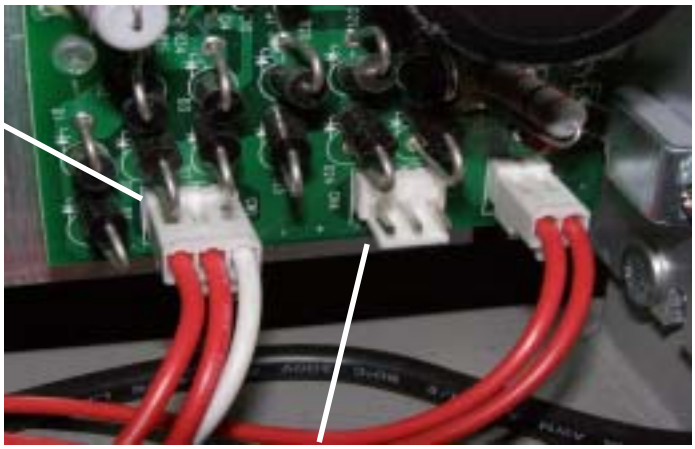
Max resistance all the time

1. Replace controller.

Rough while pedaling

1. Unplug the 3 wire connector (with 2 red and 1 white wires), and plug it into the other 3 pin connector on the controller as pictured below.

Remove from
this connector



Plug into
this connector

Troubleshooting Guide

MECHANICAL SYSTEM

Loose seat carraige	**1.**	**See procedure 4.**

Repair Procedures

PROCEDURE 1: Check harness for voltage

1.1 Remove the console.
1.2 Turn meter on setting to test for DC voltage.
1.3 Put one lead on pin 2 and the other lead on pin 3. There should be around 6 volts.
1.4 Remeber that you must be pedaling the unit in order to get the voltage reading unless you have the unit plugged into an outlet.
1.5 If there is no voltage, go to procedure 2.

PROCEDURE 2: Check for DC voltage from Console

2.1 Remove the cover beneith the seat to access the controller.
2.2 Turn the meter on setting to test for DC voltage.
2.3 Leave the harness connected to the controller and put the leads on the 2nd and 5th wires. (You will probably need to remove some of the glue from the back of the harness)

2.4 Press start and set the resistance to level 1. At level 1 there should be aprox .130 volts. At level 2 there should be aprox .78 volts. Level 3 should be aprox .82 volts.
2.5 If the reading is not close to these numbers, the problem is either the console or the harness. If the readings are what they should be, go to next step.
2.6 With meter still on DC setting, put leads into the back of the 2 pin connector as pictured below. This is the connector for the wires that go to the brake coil.

2.7 At level 1 the voltage reading should be zero. At level 2 and above, if you get any reading the controller is working.
2.8 If you dont hav any voltage, the controller needs to be replaced. If there is voltage but still no resistance, the brake coil needs to be replaced.

PROCEDURE 3: Test for AC voltage from generator

3.1 Turn meter on setting to test for AC voltage.

3.2 Put meter leads on the two red wires of the generator harness as pictured.

3.3 There should be an AC voltage reading as you begin to pedal and it should increase as you pedal faster.

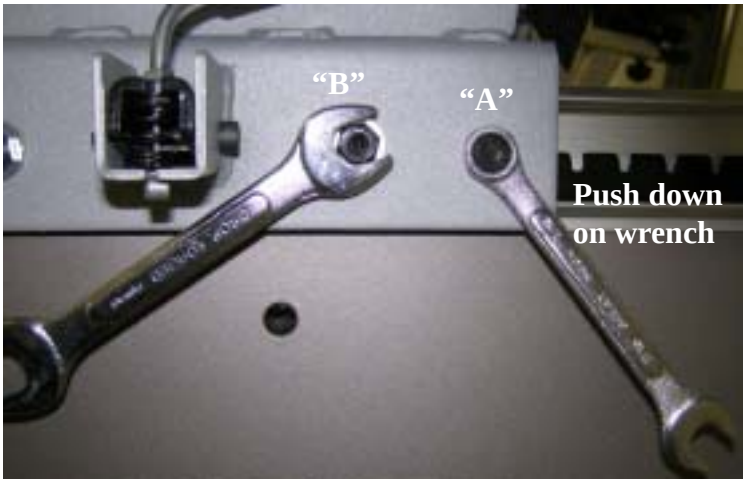
3.4 You can also test exactly the same way using the two black wires that come directly out of the generator.

PROCEDURE 4: Tighten seat carraige

If the seat assembly on the recumbent bike is loose and wobbles from side to side, follow these instructions to tighten it up.

(Front wheel assembly on Left side)

(Rear wheel assembly on Left side)



1. Loosen the nyloc nut (B) with a 13mm wrench.
2. Press down on (A) with an 11mm wrench.
3. While pressing down on (A), tighten the nyloc nut (B).
4. Use this procedure on all 4 seat wheel assemblies.

There are two wheels on each assembly. By pressing down on (A) you are turning the assembly so that the inside wheel (which is connected to "B") is pressed to the top of the track while the outer wheel (which is connected to "A") remains pressed to the bottom of the track.

PROCEDURE 5: Engineering Mode

1. Press and hold the START, ENTER, and STOP buttons until display beeps.
2. “ENGINEERING MODE” will scroll across the screen, press ENTER.
3. Press the UP and/or DOWN buttons to scroll through the following sub menus:
   - Key Test
   - Display Test
   - Functions
   - Security
   - Exit
4. Press ENTER to access the desired menu.
5. Press STOP to exit Engineering Mode.

- **Key Test**

  Press ENTER. Press all buttons on console.

- **Display Test**

  Press ENTER. Console will test each segment or LED. Look to see if there are any burned out or not working.

- **Functions**

  Sleep Mode On/Off ---------- Press ENTER to turn on or off.
  Pause Mode On/Off ---------- Press ENTER to turn on or off.
  Odometer Reset ---------- Press ENTER to reset.
  Units English/Metric ---------- Press ENTER to change.
  Beep Sound On/Off ---------- Press ENTER to turn on or off.
  DA Test---------- Press ENTER to begin the test.
  Bike or Elliptical---------- Press ENTER to change.

- **Security**

  Child Lock On/Off ------- Press ENTER to turn on or off.

- **Exit**

  Press ENTER to exit Engineering Mode.

CONTACTING CUSTOMER SERVICE

It is the responsibility of the Dealer to assemble and setup any Spirit product they have sold, as well as diagnose problems and perform service, regardless of the product's location. Recognizing the importance of insuring the consumer's satisfaction, Spirit technical support will always be available to assist the Dealer in diagnosing a problem. All warranties are valid from the original date of purchase by the original purchaser.

PARTS ORDERS Fax 870-930-9013

Fax your order using a completed parts purchase order to (870) 930-9013. Please do not call to place your parts orders, fax only. Service technicians are available to assist in the repair of treadmills. If taking parts orders by telephone, technical service calls will go unanswered. **Standard shipping is FedEx ground. If you need an order shipped by another method, you must pay for shipping.**

CUSTOMER SERVICE Call 800-258-4555

Calling from Store Location

Dial 1 to reach the first available technician, or select the extension number for a particular technician. ***You must have the serial number of the machine when you call.***

- Charles Wood ----------Customer Support ext. 626
- Terry Jordan ---------- Customer Support ext. 627
- Kevin Thomas --------- -Customer Support ext. 628
- Nathan Price ---------- Customer Support ext. 629
- Carla Nichols ---------- -Customer Support ext. 631
- Travis Lawrence --------Customer Support ext. 633

If the technician you choose is unavailable, leave a detailed message. Leave only one message. Do not call another extension. Do not leave multiple messages. This results in a duplication of effort and keeps our technicians from assisting you and other customers in a prompt manner.

Calling from Customer Location

Dial 0 for an operator. Relay to the operator that you are a dealer and in a customer's home. You will be assisted by the first available technician.

Light Commercial
WARRANTY

Spirit Manufacturing Inc. warrants all its bike and elliptical parts for a period of time listed below from the date of retail sale, as determined by sale receipt, or eighteen (18) months from the original factory shipping date, whichever comes first. Spirit's responsibilities include providing new or remanufactured parts, at Spirit's option, and technical support to our independent dealers and servicing organizations. In the absence of a dealer or service organization, these warranties will be administered by Spirit directly to a consumer. An extended warranty period applies to the following components:

Bike and Elliptical Home Use	Bike and Elliptical Light Commercial use
Frame----------Lifetime	Frame ----------Lifetime
Brake---------- Lifetime	Brake ----------5 years
All Parts----------10 years	All Parts ----------3 years
Labor----------1 year	Labor ----------1 year

WARRANTY POLICY

Parts Returns

It is very important that you have not only the model number but also the serial number on hand when placing a parts order. If a serial number is provided at the time a warranty parts order is placed the required parts will be sent to you at no charge. If the unit is no longer covered under warranty the parts will be billed to you on 30 day payment terms.

If a warranty replacement part is required to be returned to Spirit it will be noted on the packing list included in your shipment. Also noted on the packing list will be the amount you will be invoiced if the parts are not returned within 30 days.

Parts Required to be Returned for Credit

Upper Electronics - XE Series

Paperwork Requirement: A copy of your invoice or packing list and diagnostic form (if included with replacement part) must be returned with the defective part to receive warranty consideration.

Warranty Labor Reimbursement Procedure

Complete Request for Warranty Labor Credit Form.
Fax completed form to (870) 930-9013.
Once Spirit has received your returned parts, your request will be processed and returned by fax to you.

What is Not Covered

1) Failures created due to improper installation or maintenance.
2) Repairs requiring only simple adjustments, fuses, or calibrations.
3) Damages sustained from shipping - Freight claim must be filed with your carrier.
4) Repairs that are made beyond the warranty period.
5) Repairs where the customer is paying the base labor fee to the dealer.
6) Units that are dealer stock or floor models.
7) Trips for diagnostic visit.
8) Residential units in a commercial setting.

Credit will not be issued for repairs in which:

1) Parts required for return are not returned to Spirit within 30 days.
2) All paperwork is not completed or returned.
3) Spirit confirms that work was not completed.

Warranty Labor Reimbursement Policy

Spirit has established a set of guidelines that are fair to both independent service companies and to Spirit. Our policy on labor warranty reimbursement is simple...we pay a one time flat completion fee of $80 per service occurrence. Once all work required to complete the repair has been finished and all parts required for return have been returned to Spirit either credit or payment in the amount of $80 will be issued to your company. The one-time flat completion fee of $80 will be paid only when the repair is complete and the unit has been returned to proper working condition. If your company needs consideration for labor or trip fees that are higher than Spirit's standard fees, they will be evaluated on a case-by-case basis. (e.g. - travel to perform service work in Manhattan). Any change in the fee schedule must be approved in writing by Spirit before any work is performed.

For Dealers That Wish To Use Third Party Service

It is Spirit's policy that all dealers service products that they sell to end users. If your company chooses to use an independent company for service, you are responsible for all service work. Our labor reimbursement policies apply in every case and any charges in excess of Spirit's one time flat completion fee will be billed back to the selling dealer. In certain circumstances, we will work directly with an independent service company, but we will not pay for any service that deviates from our policy for dealers wishing to have this arrangement. Dealers will be responsible to the service company for all charges disallowed by Spirit. Any deviation from Spirit policy must be approved in advance in writing.

Fax to: 870-930-9013

Attention: _____

PARTS PURCHASE ORDER

Fill in completely for processing.
All orders are shipped F.O.B. Spirit Mfg., Jonesboro, Arkansas.

Dealer Name	Account No.	Ship to
Street & No.		Street & No.
City	State Zip	City State Zip
Phone Number	Fax Number	Phone Number Fax Number

Purchase Order No.	Dealer Buyer's Name	All parts ordered are considered stock orders unless a serial number is listed below each parts' description box. A serial number listed will qualify it for warranty evaluation.	Date of Order

Qty.	Part No.	Description	Unit Price	Amount

Order Completion - *Orders must be signed!*

If a part is not accompanied by a serial number, it will be assumed that the part order is for stock. We encourage all dealers to stock parts. Spirit will always be fair to all dealers on credit for parts. Spirit reserves the right to subject parts returns to a 20% restocking fee if Spirit determines that the dealer has excessively ordered parts randomly to repair a problem.

Buyer Signature_____ Date_____

Shipping Instructions: (All orders will be shipped via ground delivery unless otherwise indicated.) ***Buyer will be responsible for all expedited shipping charges.***

Special Instructions:

2nd Day Air_____

Next Day Air_____

Saturday Delivery_____

Initial Your Special Shipping Instructions Here_____
(Orders for expedited shipping without initials will be shipped via ground delivery.)

REQUEST FOR WARRANTY LABOR CREDIT

Labor Warranty ☐ Spirit is responsible
☐

P.O. BOX 2037 JONESBORO, ARKANSAS 72402

Date of Repair	Model#	Serial Number

Service Company	Svc CoAcct Number	Owner's Name

Owner's Address

Selling Dealer Number	Selling Dlr Acct	Phone Number With Area Code	Date Sold

Problem

Repair Done

			FACTORY USE ONLY				
QUANTITY	PART NUMBER	PART DESCRIPTION	WTY	TEST RESULTS	UNIT PRICE	WORK ORDER	INVOICE

FACTORY USE ONLY		
		FREIGHT:
LABOR		SHIPPING:
TRIP		
TOTAL LABOR		

WARRANTY CREDIT WILL BE ISSUED TO DEALER ACCOUNT.

ALL PARTS MUST BE RETURNED TO FACTORY UNLESS INSTRUCTED OTHERWISE.

CLAIMS MUST BE RETURNED TO SPIRIT CORP. WITHIN 7 DAYS OF REPAIR.

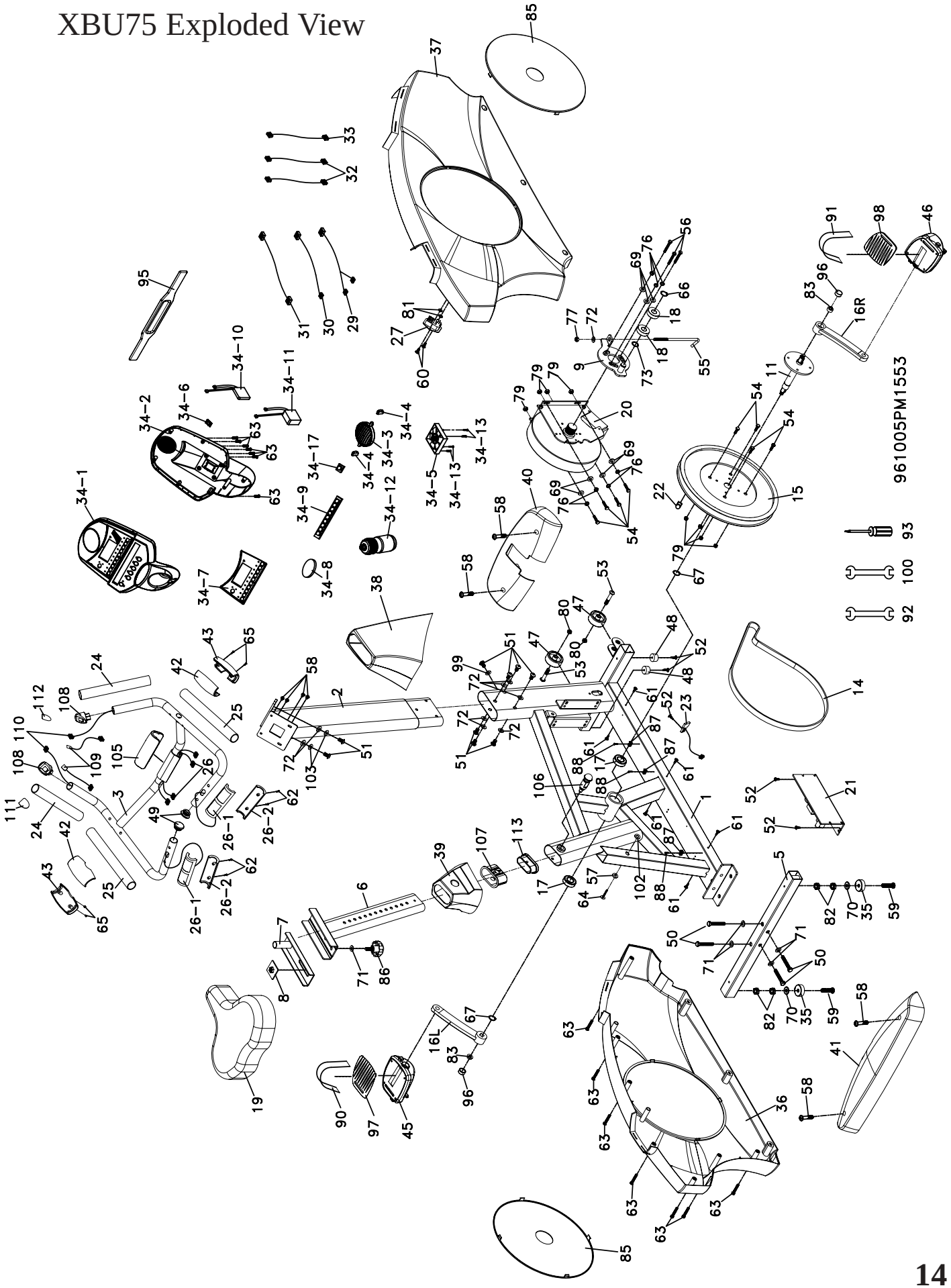
SHADED AREAS FACTORY USE ONLY

Authorization No._____

_____
WARRANTY ADMINISTRATOR

FAX TO SPIRIT (870) 930-9013

XBU75 Exploded View



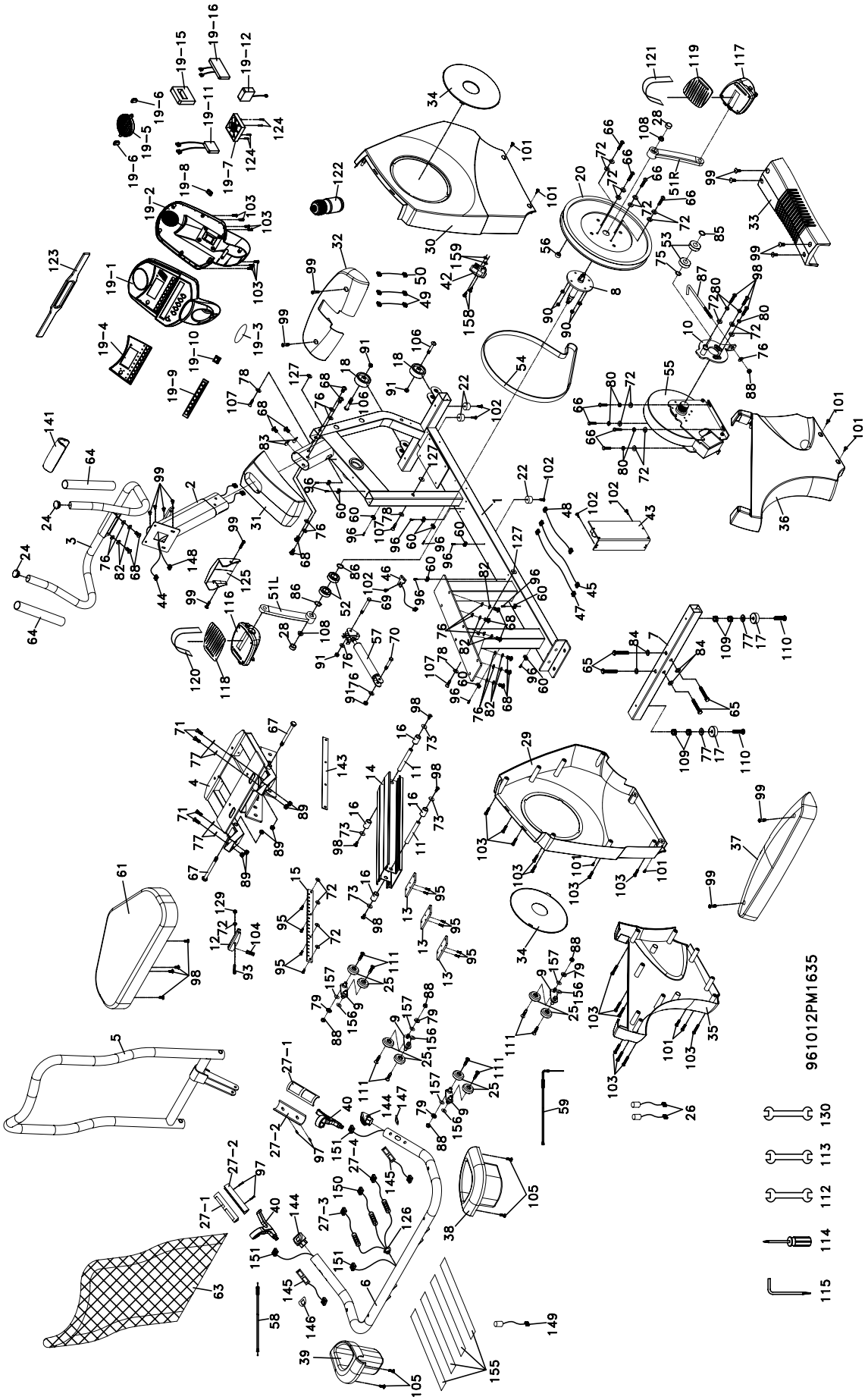
XBU75 Part List

No.	Description	Spirit Part #
1	Main Frame	
2	Console Mast	002193
3	Handle Bar, Seat	002194
4	Seat Carriage	002195
5	Rear Stabilizer	002005
6	Inner Slide Assembly	
7	Seat Slide Bracket	
8	Fix Plate	
9	Idler Wheel Assembly	
11	Pulley Axle	002117
14	500J_Belt	
15	330_Drive Pulley	000908
16L	Crank (L)	002040
16R	Crank (R)	002041
17	6004_Bearing, Crank Axle	002042
18	6203_Bearing For Idler Wheel	021987
19	Seat Bottom Cushion	002065
20	Generator/Brake	002123
21	Controller	002033
22	15x7T_Magnet	010041
23	Speed Sensor W/Cable	
24	1"x250Lx5T_Handgrip Foam	002067
25	1"x200Lx5T_Handgrip Foam	002066
26	Handpulse W/Cable Assembly	002120
26~1	Handpulse Assembly Top	X
26~2	Handpulse Assembly Bottom	X
27	On/Off Switch	002032
29	Computer Cable	002068
30	Wire Brake Coil Harness	
31	AC/ Generator Marness	002119
32	Connecting Wires	000303
33	Ground Wire	002070
34	Console	002165
34~1	Top Console Cover	
34~2	Bottom Console Cover	006063
34~3	Deflector Fan Grill	000983
34~4	Fan Grill Anchor	000807
34~5	Fan	000808
34~6	Fan Power Switch	000982
34~7	Face Plate Lens Cover	006134
34~8	Badge, Console	002131
34~9	Rubber KeyPad	002078
34~10	Interface Daughter Board	X
34~11	Receiver, HR	002169
34~12	Drink Bottle	030059
34~13	3.5x30m/m_ Self Tapping Screw	030030
34~17	Console Key Board	002191

No.	Description	Spirit Part #
35	Leveling Foot	
36	Side Case (L)	002166
37	Side Case (R)	002167
38	Console Mast Cover	002170
39	Seat Mast Cover	002171
40	Front Stabilizer Cover	002139
41	Rear Stabilizer Cover	002142
42	Handgrip Side Cap (Top)	002172
43	Handgrip Side Cap (Bottom)	002173
45	Pedal (L)	002115
46	Pedal (R)	002116
47	54_Transportation Wheel	000179
48	25x15L_Foot Pad, Leveler	000124
49	1"_End Cap, Front Handlebar	
50	3/8"x2-1/4"_Hex Head Socket	000063
51	5/16"x5/8"_Hex Head Socket	030018
52	5×19m/m_Tapping Screw	030057
53	5/16"x1-3/4"_Button Head Socket Screw	000126
54	1/4"x3/4"_Hex Head Screw	030097
55	M8×170m/m_J Bolt	010142
56	M6x15m/m_Phillips Head Screw	030038
57	5× 15×1.5T_Flat Washer	
58	M5x12m/m_Phillips Head Screw	030037
59	3/8"x2"_Thumb Head Socket Screw	022885
60	M4×12mm_Phillips Head Screw	
61	5x16m/m_Tapping Screw	010150
62	3x20 m/m_Tapping Screw	000839
63	3.5x12 m/m_Self Tapping Screw	010113
64	3.5x32 m/m_Self Tapping Screw	000914
65	3x10 m/m_Tapping Screw	010115
66	17_C Clip	000196
67	20_C Clip	002050
69	1/4"x 13 x1T_Flat Washer	000078
70	3/8"x 19 x1.5T_Flat Washer	000076
71	3/8"x 25 x1.5T_Flat Washer	030040
72	5/16"x19 x1.5T_Flat Washer	030045
73	17 x 23.5 x1T_Flat Washer	022975
76	1/4"_Spilit Washer	030042
77	M8x7T_Nyloc Nut	022288
79	1/4"_Nyloc Nut	030098
80	5/16"x6T_Nyloc Nut	030039
81	M4×5T_Nyloc Nut	030031
82	3/8"x7T_Nut	000080
83	M10x1.0_Nut	002052
85	Round Disk	002168
86	3/8"x25mm_Fore Aft Adjustment Knob	002200
87	Wire Tie Mount	010083
88	3.5x16m/m_Tapping Screw	022979

No.	Description	Spirit Part #
90	Pdeal Strap (L)	002057
91	Pedal Strap (R)	002058
92	13.15m/m Wrench	030035
93	Phillips Head Screw Driver	023091
95	Chest Strap	004074
96	M22×1.0 23_Crank Arm End Cap	002019
97	Pedal Foam (L)	002055
98	Pedal Foam (R)	002056
99	5/16"×20_Curved Washer	030017
100	12/14mm Wrench	030036
102	8×16×1T_Flat Washer	
103	8_Spilit Washer	030016
105	Handle Bar Cover	002114
106	Locking Knob	
107	40x80_Center spatial wrap	002180
108	Handlebar Rubber End Cap	002183
109	Speed Adjustment Thin Film Label	002161
110	Handgrip Switch Wire	002174
111	UP/F1784_Handgrip Label	002178
112	DOWN/F1785_Handgrip Label	002179
113	Slide Spacer	002175
	Decal (Side)	002182
	Hardware Kit	002177

XBR95 Exploded View



XBR95 Part List

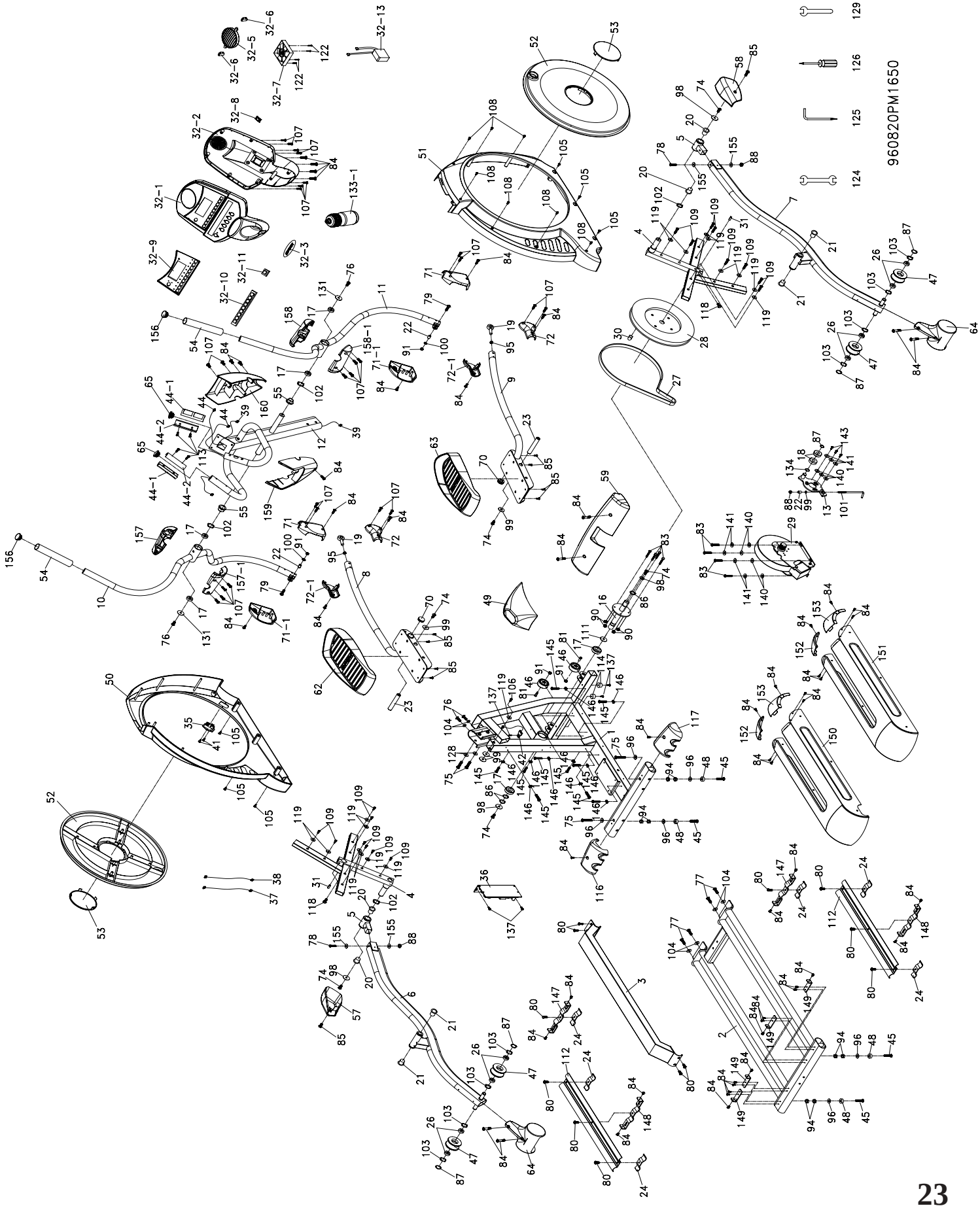
No.	Description	Spirit Part #
1	Main Frame	
2	Console Mast	002136
3	Handle Bar, Front	002185
4	Seat Carriage	002187
5	Seat Back Frame	002186
6	Handle Bar - Seat	002192
7	Rear Stabilizer	002005
8	Drive Pulley Axle	002006
9	Seat Wheel Adjustment Plate	002007
10	Idler Arm (no bearings)	
11	Seat Stop Axle	
12	Seat Position Latch	002010
13	Backing Plate	
14	Aluminum Track	002128
15	Seat Position Index Plate	002013
16	Seat Stop	002014
17	Cushion Foot Pad-Leveling Foot	022943
18	Transportation Wheel	000179
19	Console Assembly	002137
19~1	Top Console Cover	006136
19~2	Bottom Console Cover	006063
19~3	Badge, Console	002131
19~4	Face Plate Lens Cover	006134
19~5	Deflector Fan Grill	000983
19~6	Fan Grill Anchor	000807
19~7	Fan	000808
19~8	Fan Power Switch	000982
19~9	Rubber Key Pad (A)	002078
19~10	Rubber Key Pad (G) -"DISPLAY" button	010233
19~11	Interface Daughter Board	002201
19~12	Receiver, HR	002149
19~15	Console PCB Board	
19~16	Console Key Board	
20	Drive Pulley	000908
22	25x15_Foot Pad	010124
24	25.4_Button Head End Cap	002016
25	38_Transportation Wheel, Aluminum Axle - Wheel only #002086	002017
26	300mm_Handpulse Wire, Coiled	002018
27	Handpulse W/Cable Assembly	002080
27~1	Handpulse Assembly Top	X
27~2	Handpulse Assembly Bottom	X
27~3	750mm_Handpulse Wire A	002081
27~4	950mm_Handpulse Wire B	002082
28	Crank Arm End Cap	002019
29	Front Chain Cover (L)	002143
30	Front Chain Cover (R)	002144
31	Console Mast Cover	002138

No.	Description	Spirit Part #
32	Front Stabilizer Cover	002139
33	Step Cover	002140
34	Round Disk Cover, Pedal	002141
35	Rear Chain Cover (L)	002147
36	Rear Chain Cover (R)	002148
37	Rear Stabilizer Cover	002142
38	Beverage Holder (R)	002146
39	Beverage Holder (L)	002145
40	Release Lever	002031
42	On/Off Switch	002032
43	Controller	002033
44	850mm Computer Cable (Upper)	002034
45	1300mm Computer Cable (Lower) - 10 pin	002202
46	Sensor W/Cable	
47	Wire Brake Coil Harness	002150
48	AC/ Generator Marness	002038
49	Connecting Wires	000303
50	Ground Wire - Green	006093
51L	Pedal (L)	002040
51R	Pedal (R)	002041
52	Bearing, Drive Pulley	002042
53	Bearing for Idler Arm	021987
54	Belt	
55	Generator/Brake	002123
56	Magnet	010041
57	Gas Cylinder	002151
58	Seat Recline Release Cable	002045
59	Seat Fore/Aft Release Cable	002046
60	Wire Tie Mount	010083
61	Seat Bottom Cushion	002047
63	Mesh Seat Back	002048
64	Foam, Front Handle Bar	002049
65	3/8" x 2- 1/4"_Hex Head Screw	000063
66	1/4" x 3/4"_Hex Head Screw	030097
67	3/8" x4"_Hex Head Screw	030049
68	5/16" x15_Hex Head Screw	022803
69	5/16" x2- 1/2"_Hex Head Screw	030048
70	5/16" x1- 3/4"_Hex Head Screw	030047
71	3/8"×1-3/4"_Hex Head Screw	030046
72	1/4"x13x1T_Flat Washer	000078
73	1/4"x19x1.5T_Flat Washer	022919
75	17x 23.5 x 1T_Flat Washer	022975
76	5/16" x 19 x 1.5T_Flat Washer	030045
77	3/8" x 19 x 1.5T_Flat Washer	000076
78	5x16x1.5T_Flat Washer	
79	8x 18x3T_Curled Lock Washer	030043
80	1/4"_Split Washer	030042
82	8x1.5T_Split Washer	030041

No.	Description	Spirit Part #
83	5/16" x20x 1.5T_Curved Washer	030017
84	3/8" x 25 x 1.5T_Flat Washer	030040
85	17_C Ring	000196
86	20_C Ring	002050
87	J Bolt	
88	M8 x 7T_Nyloc Nut	022288
89	3/8"x 7T_Nyloc Nut	000080
90	1/4" x 5T_Nyloc Nut	030098
91	5/16" x 6T_Nyloc Nut	030039
93	M6 x40mm_Socket Head Cap Screw	030024
95	M5x15_Flat Head Socket Screw	030022
96	3.5x16_Tapping Screw	022979
97	3x20_Tapping Screw	000839
98	M6x15_Phillips Head Screw	030038
99	M5x12_Phillips Head Screw	030037
101	5x16_Tapping Screw	010110
102	5x19_Tapping Screw	030057
103	3.5x12_Self Tapping Screw	010113
104	Seat Release Spring (13.5 x 28.5)	002051
105	4x16 _Self Tapping Screw	000050
106	5/16" x1- 3/4"_Button Head Socket Screw	000086
107	3.5x20_Self Tapping Screw	030021
108	M10x1.0_Nut	002052
109	3/8" x 7T_Nut	010108
110	3/8" x 2"_Thumb Head Socket Screw	022885
111	M5x10. 14×2T_Thumb Head Socket Screw	030034
112	12/14mm Wrench	030036
113	13/15mm Wrench	030335
114	Phillips Head Screw Driver	023091
115	Combination M5 Allen Wrench & Phillips Head Screw Driver	000072
116	Pedal (L)	002053
117	Pedal (R)	002054
118	Pedal Foam (L)	002055
119	Pedal Foam (R)	002056
120	Pedal Strap (L)	002057
121	Pedal Strap (R)	002058
122	Drink Bottle	030059
123	Chest Strap	004074
124	3.5x32 m/m_Self Tapping Screw	000914
125	Plastic Seat Carriage Cover	002152
126	HGP Wire Grommet	002199
127	5/16"×16×1T_Flat Washer	
129	M6_Nyloc Nut	002126
130	13/14mm Wrench	
141	Handle Bar Cover	002114
143	Seat Position Index Plate, Fixing Plate	
144	Handlebar Rubber End Cap	002162

No.	Description	Spirit Part #
145	XBR Handle Switches	002161
146	UP/F_Label	002204
147	DOWN/F_Label	002205
148	Switch Cable (Upper)	002153
149	Handle Switch with Earphone Connecting Cable	
150	Handle Switch Connecting Cable-Coiled	002154
151	Handlebar Switch Cable	002155
155	Velcro Strap	002156
156	8×20×1T_White Washer	
157	13×19×1T_Flat Washer	
158	M4×12mm_Phillips Head Screw	
159	M4×5T_Nylon Nut	030031
	Hardware Kit	002176
	Decal (Side)	002158
	Decal (Console)	000820

XE700 Exploded View



XE700 Part List

No.	Description	Spirit Part #
1	Main Frame	006162
2	Rail Assembly	006236
3	Rail Support Assembly	006015
4	Cross Bar	000163
5	Bushing Housing, Pedal Arm	006038
6	Pedal Arm(L) - Assy	006139
7	Pedal Arm(R) - Assy	006140
8	Connecting Arm (L)	006114
9	Connecting Arm (R)	006115
10	Handle Bar (L)	006131
11	Handle Bar (R)	006132
12	Console Mast	006149
13	Idler Wheel Assembly	002008
16	Drive Pulley Axle	022148
17	6005_Bearing Pulley Axle	021951
18	6203_Bearing for Idler Wheel	021987
19	M12 x P1.75_Rod End Bearing	000200
20	Copper Bushing (80% Copper)-Pedal Arm	006040
21	31 x 25.5 x 19 x 16+3T_Bushing	022699
22	11.9 x 8.5 x 16m/m_Rod End Sleeve	000199
23	Carriage Bolt-Pedal Axle	000287
24	Retaining Bracket, Aluminum Track	004021
26	6003_Bearing, Slide Wheel	010043
27	8J 500_Belt (500J/1270J)	000146
28	330_Drive Pulley	000908
29	35 x 10x 245 x 18T_Fly Wheel - Brake	002043
30	15 x 7T_Magnet	010041
31	7x7x20L_Woodruff Key	000198
32	Console Assembly	006066
32~1	Top Console Cover	006136
32~2	Bottom Console Cover	006063
32~3	Badge, Console	002131
32~5	Deflector Fan Grill	000983
32~6	Fan Grill Anchor	000807
32~7	Fan Motor	000808
32~8	Fan Power Switch	000982
32~9	Face Plate Lens Cover	006134
32~10	Rubber Key Pad (A)	010232
32~11	Rubber Key Pad (G)	010233
32~13	Receiver, HR	022675
35	On/Off Switch	002032
36	Controller	002033
37	Wire Brake Coil Harness	000302
38	AC/ Generator Harness	000290
39	1400mm Computer Cable - 8 pin	000293
41	M4×12mm_Phillips Head Screw	000070
42	300mm_Sensor W/Cable	002036

No.	Description	Spirit Part #
44	750mm_Handpulse W/Cable Assembly	008041
44~1	Handpulse Assembly Top	X
44~2	Handpulse Assembly Bottom	X
45	3/8" x 2"_Flat Head Socket Screw	022885
46	aluminum Track	001019
47	72_Slide Wheel , Urethane	000153
48	35x10 x 10_Leveling Foot - Cushion Foot Pad	022943
49	Console Mast Cover - Lower	006083
50	Chain Cover (L)	006028
51	Chain Cover (R)	006027
52	Round Disk Cover, Crank	006004
53	Round Disk Access Cover	006075
54	Handgrip Foam	004004
55	26x 35x 45x10T_Isolator	000291
57	Pedal Arm Cover (L)	006086
58	Pedal Arm Cover (R)	006087
59	Front Stabilizer Cover	006009
62	Pedal Strap (L)	000155
63	Pedal Strap (R)	000837
64	Slide Wheel Cover	006010
65	Button Head End Cap	022069
70	Pedal End Cover	004049
71	Connecting Arm Cover (L)	006049
71~1	Connecting Arm Cover (L)	X
72	Connecting Arm Cover (R)	006050
72~1	Connecting Arm Cover (R)	X
74	5/16" x 15m/m_Hex Head Screw	022803
75	3/8" x 2-1/4"_Hex Head Screw	020623
76	3/8" x 3/4"_Hex Head Screw	000060
77	3/8" x 3-3/4"_Hex Head Screw	021707
78	M8 x 50_Socket Head Cap Screw (22mm)	022139
79	5/16" x 1-1/4"_Hex Head Screw	022763
80	5/16"× 3/4"_Hex Head Screw	020340
81	5/16" x 2"_Button Head Socket Screw	010092
83	1/4" x 3/4"_Hex Head Screw	030097
84	M5 x 12m/m_Phillips Head Screw	030037
85	M5x10_Phillips Head Screw - Plated	000051
86	25_C Clip	000195
87	17_C Clip	000196
88	M8 x 7T_Nyloc Nut	022288
90	1/4" _Nyloc Nut	030098
91	5/16" x 7T_Nyloc Nut	000081
94	3/8" x 7T_Nut	010108
95	M12_Nut	022794
96	3/8" x 19 x 1.5T_Flat Washer	000076
98	5/16" x 35 x 1.5T_Flat Washer	010099
99	5/16" x 23 x 1.5T_Flat Washer	022908
100	5/16" x 18x 1.5T_Flat Washer	000077

No.	Description	Spirit Part #
101	J Bolt	
102	25_Wave Washer	022698
103	17_Wave Washer	022700
104	3/8" x 23 x 2T_Curved Washer	030081
105	5x16_Tapping Screw - plated	010150
106	4x15_Self Tapping Screw	030054
107	3.5x12_Self Tapping Screw (12mm)	010113
108	4x19_Self Tapping Screw	030065
109	5x16_Tapping Screw - plated	010150
111	35x 25.5x5T_Bushing	000148
112	Aluminum Track (3 hole)	000180
113	3x20_Tapping Screw	000839
114	25x15_Foot Pad - Leveler	010124
116	Rear Stabilizer Cover (A)	001036
117	Rear Stabilizer Cover (B)	001037
118	M8x30_Socket Head Cap Screw	010087
119	1/4"x19_Flat Washer	022919
122	3.5x30 m/m_Self Tapping Screw	030030
124	13/14m/m_ Wrench	022596
125	Combination M6 Allen Wrench & Phillips Head Screw Driver	030029
126	Phillips Head Screw Driver	023091
128	3/8" x 2T_Spring Washer	000053
129	12m/m_ Wrench	000342
131	3/8" x 30 x 2.0T_Flat Washer	006045
133-1	Drink Bottle	030059
134	17x 23.5 x 1T_Flat Washer	022975
137	5x19_Tapping Screw	030057
140	1/4"x13x1T_Flat Washer	000078
141	1/4"_Spring Washer	030026
143	M6×15_Phillips Head Screw	030038
145	3.5x16_Tapping Screw	022979
146	Wire Tie Mount	010083
147	Rear Shroud Retaining Bracket (A)	000296
148	Rear Shroud Retaining Bracket (B)	000297
149	Rear L-Plate	006031
150	Rear Shroud (L)	006061
151	Rear Shroud (R)	006062
152	Front Cover (Left)	
153	Front Cover (Right)	
155	5/16"×20×1.5T_Flat Washer	022918
156	38_Button Head End Cap	022024
157	Front Handle Bar Cover (L) SET	006006
157~1	Rear Handle Bar Cover (L) SET	X
158	Front Handle Bar Cover ® SET	006007
158~1	Rear Handle Bar Cover ® SET	X
159	Front Mast Cover	006058
160	Rear Mast Cover	006059
	Hardware Kit	006041